

more harm than good. There are many places in the text where the presentation is either confusing, vague, misleading, or just plain wrong. As examples of this, the argument leading to equation 4.2 is completely illogical; $\exp(-\alpha x^2)$ is an asymptotic solution to equation 5.2 and is not verified by differentiation and substitution; the polar angle θ does not represent precessional motion; the "a power series seems to be indicated" on page 79 (as if equation 7.5 were something special) would be quite mystifying to a student; on page 101, the use of f to represent the functional form of both ψ and ξ is inexcusably confusing; the Schrödinger equation is not a wave equation, etc. There are several good undergraduate introductions to quantum chemistry, and so there is no need to expose students to this book.

* * *

Donald A. McQuarrie is with the North American Aviation Science Center.

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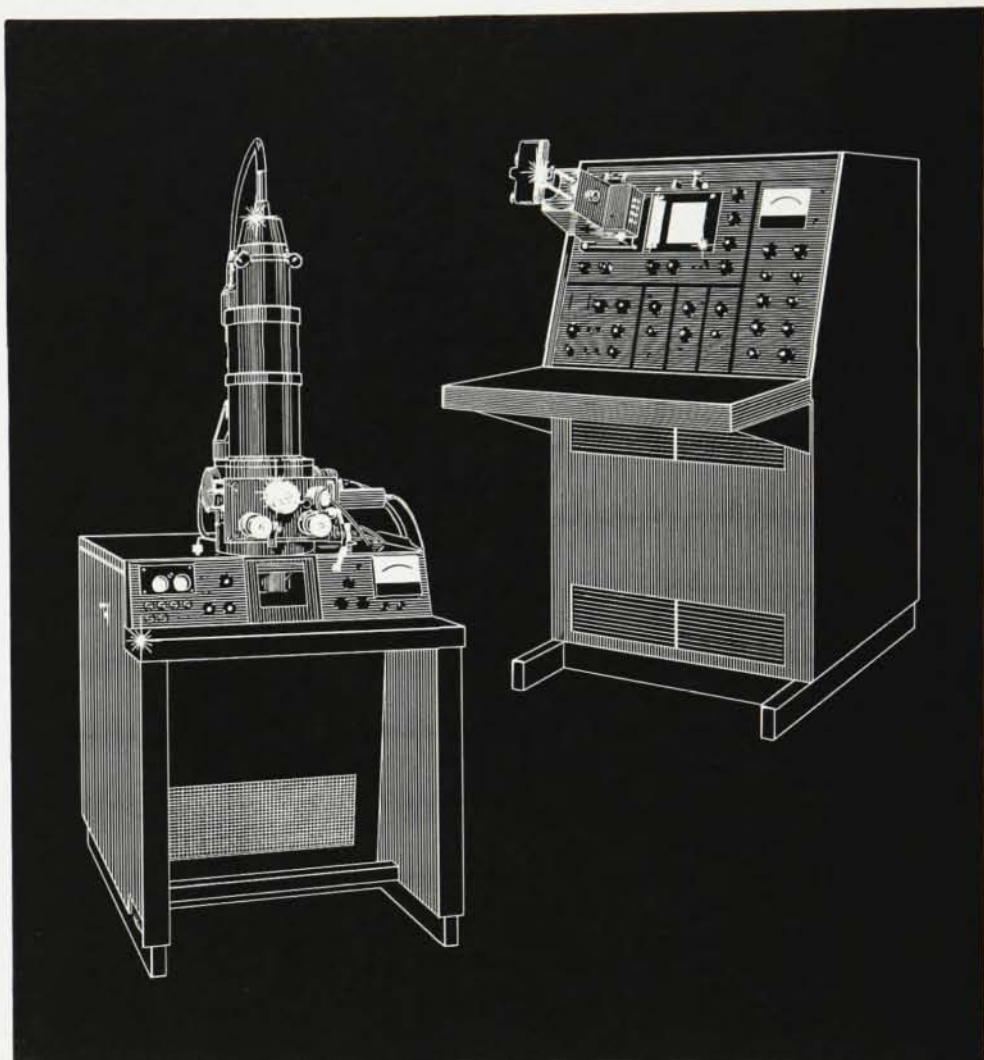
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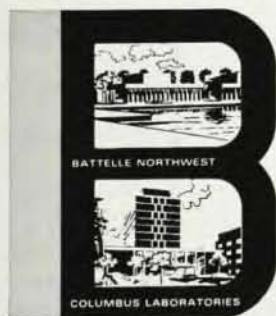
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